

U.S. Patent Application Serial No. 10/536,458
Response to Office Action dated March 12, 2007

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended) A covered wire having an electrical conductive core and a unicolor cover portion of synthetic resin for covering said core comprising:

a first mark being formed by coloring a part of an outer surface of said cover portion with a first color; and

a second mark being formed by coloring the other part of said outer surface of said cover portion with a second color different from said first color, whereby said first mark and said second mark are disposed alternately with a gap along lengthwise of said covered wire, and a length of said first mark along the lengthwise of said covered wire is longer than that of said second mark along the lengthwise mark of said covered wire,

wherein the marks are made by spouting a predetermined amount of a liquid coloring material of the color against the outer surface of the cover portion of the covered wire from a plurality of nozzles, all of which being oriented in the same direction perpendicular to the wire.

Claim 2 (previously presented) The covered wire according to claim 1, wherein one of said first marks and one of said second marks are disposed respectively at an end area of said covered wire.

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Claim 3 (previously presented) The covered wire according to claim 1 further comprising means for distinguishing wire diameters as capable to distinguish outer diameters of said cover portions.

Claim 4 (original) The covered wire according to claim 3, wherein said means for distinguishing wire diameters is a plurality of marks provided with one of said first mark and said second mark divided to plural pieces, and disposed along the lengthwise of said covered wire.

Claim 5 (currently amended) A covered wire having an electrical conductive core and a unicolor cover portion of synthetic resin for covering said core comprising:
a plurality of marks being formed by coloring a part of an outer surface of said cover portion with a color, said marks being disposed with a gap therebetween along lengthwise of said covered wire,

wherein the marks are made by spouting a predetermined amount of a liquid coloring material of the color against the outer surface of the cover portion of the covered wire from a plurality of nozzles, all of which being oriented in the same direction toward the wire.

Claim 6 (original) The covered wire according to claim 5, further comprising means for distinguishing wire diameters as capable to distinguish outer diameters of said cover portions.

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Claim 7 (previously presented) The covered wire according to claim 6, wherein said means for distinguishing wire diameters is a plurality of further marks provided with plural pieces thereof between a pair of said marks adjacent to each other by coloring a part of said outer surface of said cover portion with a further color different from said color and disposed with a space along the lengthwise of said covered wire.

Claim 8 (currently amended) A method of distinguishing covered wires comprising steps of:

forming a first mark by coloring a part of an outer surface of a unicolor covered wire with a first color; and

forming a second mark by coloring the other part of said outer surface with a second color different from the first color, whereby said first mark and said second mark are disposed alternately with a gap along lengthwise of said covered wire, and a length of said first mark along the lengthwise of said covered wire is longer than that of said second mark along the lengthwise of said covered wire, and colors for said first color and said second color are selected as capable to distinguish each covered wire,

wherein the first mark and second mark are made respectively by spouting a predetermined amount of a liquid coloring material of required color against the outer surface of the cover portion of the covered wire from a plurality of nozzles, all of which being oriented in the same direction perpendicular to the wire.

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Claim 9 (original) The method of distinguishing covered wires according to claim 8, wherein one of said first mark and said second mark is divided to plural pieces as capable to distinguish outer diameters of said covered wires, and disposed along the lengthwise of said covered wire.

Claim 10 (currently amended) A method of distinguishing covered wires comprising a step of forming a plurality of marks being formed by coloring a part of an outer surface of a unicolor covered wire with a color, said marks being disposed with a gap therebetween along lengthwise of said covered wire, whereby said color is selected respectively for said covered wires as capable to distinguish each covered wire,

wherein each said mark is made by spouting a predetermined amount of a liquid coloring material of the color against the outer surface of the cover portion of the covered wire from a plurality of nozzles, all of which being oriented in the same direction toward the wire.

Claim 11 (previously presented) The method of distinguishing covered wires according to claim 10, further comprising steps of forming a plurality of further marks between a pair of said marks adjacent to each other by coloring the other part of said outer surface of said cover portion with a further color different from said color as capable to distinguish the outer diameters of said covered wires, the plurality of further marks being disposed along the lengthwise of said covered wire.

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Claim 12 (previously presented) The covered wire according to claim 2, further comprising means for distinguishing wire diameters as capable to distinguish outer diameters of said cover portions.

Claim 13 (previously presented) The covered wire according to claim 12, wherein said means for distinguishing wire diameters is a plurality of marks provided with one of said first mark and said second mark divided to plural pieces, and disposed along the lengthwise of said covered wire.

Claim 14 (previously presented) The covered wire according to claim 1, wherein said coloring material is a liquid material dissolving and dispersing color material in a solvent.

Claim 15 (previously presented) The covered wire according to claim 1, wherein each liquid coloring material is supplied in a nozzle joined with a valve, which is joined with a compressed-gas supply source, and is spouted by the compressed-gas supplied from the compressed-gas supply source when the valve is opened.

Claim 16 (previously presented) The covered wire according to claim 5, wherein said coloring material is a liquid material dissolving and dispersing color material in a solvent.

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Claim 17 (previously presented) The covered wire according to claim 5, wherein each said nozzle is joined with a valve, which is joined with a compressed-gas supply source, and is spouted by the compressed-gas supplied from the compressed-gas supply source when the valve is opened.

Claim 18 (previously presented) The method of distinguishing covered wires according to claim 8, wherein said coloring material is a liquid material dissolving and dispersing color material in a solvent.

Claim 19 (previously presented) The method of distinguishing covered wires according to claim 8, wherein each liquid coloring material is supplied in a nozzle joined with a valve, which is joined with a compressed-gas supply source, and is spouted by the compressed-gas supplied from the compressed-gas supply source when the valve is opened.

Claim 20 (previously presented) The method of distinguishing covered wires according to claim 10, wherein said coloring material is a liquid material dissolving and dispersing color material in a solvent.

Claim 21 (previously presented) The method of distinguishing covered wires according to claim 10, wherein the liquid coloring material is supplied in a nozzle joined with a valve, which is joined with a compressed-gas supply source, and is spouted by the compressed-gas supplied from the compressed-gas supply source when the valve is opened.